

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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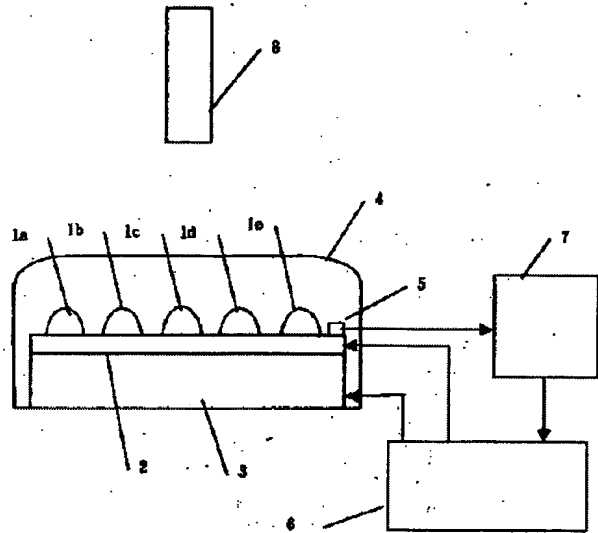
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APPLICANT : NISSEI ELECTRIC CO LTD;

INVENTOR : HAYASHI ATSUSHI;

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G02B 6/42 H05B 37/02 // F21Y101:02

TITLE : LIGHT SOURCE DEVICE FOR LIGHT  
GUIDE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a light source device for light guide preventing dew condensation, improving heat insulation, superior in radiating efficiency and radiating stability and also dealing with change over the lapse of time.

SOLUTION: A plural number of light emitting element (LED) groups (1a to 1e) attached with temperature control elements (3) are installed inside a vacuum transparent container (4). A temperature sensor (5) is also provided to a light emitting element (LED) fixing substrate (2). The surface temperature of the light emitting element (LED) groups (1a to 1e) are cooled or heated to a specified temperature by the temperature control element (3) so that the brightness of the light emitting element (LED) groups (1a to 1e) is made maximum.

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